

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** ( Not for submission under 37 CFR 1.99)

Application Number	09373403
Filing Date	1999-08-12
First Named Inventor	Arathoon
Art Unit	<del>4642</del> 1643
Examiner Name	Anne L. Holleran
Attorney Docket Number	11669.133USC1

## **U.S. PATENTS**

[Remove](#)

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
ALH	1	5591828		1997-01-07	Klaus Bosslet	

If you wish to add additional U.S. Patent citation information please click the Add button.

[Add](#)

## **U.S. PATENT APPLICATION PUBLICATIONS**

[Remove](#)

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

[Add](#)

## **FOREIGN PATENT DOCUMENTS**

[Remove](#)

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> j	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

[Add](#)

## **NON-PATENT LITERATURE DOCUMENTS**

[Remove](#)

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		09373403
Filing Date		1999-08-12
First Named Inventor	Arathoon	
Art Unit	4642 / 643	
Examiner Name	Anne L. Holleran	
Attorney Docket Number	11669.133USC1	

Art	1	COX, et al., A Directory of Human Germ-line Vx Segments Reveals a Strong Bias in Their Usage Eur. J. Immunol., 1994, 24:827-836	<input type="checkbox"/>
	2	REITER et al., Engineering Interchain Disulfide Bonds into Conserved Framework Regions of Fv Fragments: Improved Biochemical Characteristics of Recombinant Immunotoxins Containing Disulfide-Stabilized Fv Protein Engineering, Vol. 7, No. 5, pp. 697-704, 1994	<input type="checkbox"/>
	3	MARIUZZA RA, et al., The Structural Basis of Antigen-Antibody Recognition Annu. Rev. Biophys. Biophys. Chem. 1987; 16:139-59	<input type="checkbox"/>
	4	GIUSTI AM, et al., Somatic Diversification of S107 from an Antiphosphocholine to an Anti-DNA Autoantibody is Due to a Single Base Change in its Heavy Chain Variable Region Proc. Natl. Acad. Sci. USA. 1987 May; 84(9):2926-2930	<input type="checkbox"/>
	5	CHIEN NC, et al., Significant Structural and Functional Change of an Antigen-Binding Site by a Distant Amino Acid Substitution: Proposal of a Structural Mechanism Proc. Natl. Acad. Sci. USA. 1989 Jul; 86(14): 5532-6	<input type="checkbox"/>
	6	CALDAS C, et al., Humanization of the Anti-CD18 Antibody 6.7: an Unexpected Effect of a Framework Residue in Binding to Antigen Mol. Immunol. 2003 May; 39 (15): 941-952	<input type="checkbox"/>
	7	WILLIAMS ET AL., Cloning and Sequencing of Human Immunoglobulin V1 Gene Segments Eur. J. Immunol., 1993, 23:1456-1461	<input type="checkbox"/>
	8	LUO et al., V1-Linker-Vh Orientation-Dependent Expression of Single Chain Fv Containing an Engineered Disulfide-Stabilized Bond in the framework Regions J. Biochem, 118, 825-831 (1995)	<input type="checkbox"/>
↓	9	NIEBA et al., Disrupting the Hydrophobic Patches at the antibody Variable/Constant Domain Interface: Improved in vivo Folding and Physical Characterization of an Engineered scFv Fragment Protein Engineering, vol. 10, No. 4, pp. 435-444, 1997	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

Examiner Signature	Anne L. Holleran	Date Considered	5/10/2006
--------------------	------------------	-----------------	-----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.